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THE ENCYCLOPEDIA AMERICANA

IN THIRTY VOLUMES

1924
THE ENCYCLOPEDIA AMERICANA
CORPORATION
NEW YORK CHICAGO

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1924

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GENERAL PRINTERS
ALBANY • NEW YORK

FEB 28 '24

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no 1

CLASSIFIED INDEX

VOLUME XXX

CLASSIFIED INDEX

VOLUME XXX

INTRODUCTION

AN encyclopedia such as the new AMERICANA, containing within its covers treatments on all departments of human knowledge in a great number of articles arranged in alphabetical order, does not require the usual alphabetical index to render its information easily accessible to the general reader in search of a particular topic in which for the moment he is interested. But for the student, interested in a special department or branch of knowledge, there arises the necessity of bringing together in convenient form all the articles in which that subject is treated. This necessity of grouping all articles dealing with a particular science or subject is the principal motive for the following CLASSIFIED INDEX to the ENCYCLOPEDIA AMERICANA.

The classification of the great mass of material in the pages of the new AMERICANA is, after the manner of most classifications, arbitrary. It has been deemed best to group all topics under as few general headings as possible and these have been simplified by using the terms which first occur to the reader, — for example, Fossils instead of Palæontology; Insects instead of Entomology; Language instead of Philology, etc. To every section is subjoined a list of biographies of men and women who have achieved distinction in that particular field and whose biographies throw much light on phases of the subject not included in the formal treatment.

The aim has been to group the material according to the most natural and obvious divisions of human knowledge, such as, Aeronautics, Education, History, Religion, etc. These major groups number over four score and are subdivided into their natural sections. Thus in the section on Fine Arts will be found Sculpture and her sister arts. Some subdivisions, however, because of their importance have been placed under their own headings although properly belonging under the ægis of a larger group. Thus Music and Painting have been made into major divisions although properly belonging in the domain of Fine Arts.

This CLASSIFIED INDEX, however, by no means exhausts the articles in the new AMERICANA — it seeks merely to bring together all articles necessary to the complete study and understanding of a given science or field of endeavor.

Because of the importance of industry and manufactures in the life of modern peoples it has seemed well to bring together all topics relating thereto under titles or headings which occur readily to the reader. Consequently there are sections on Commerce and Industry; Foundry Practice, Machinery and Machine Work; Iron and Steel, and on many of the products of industry, apart from the purely academic and scientific grouping of these subjects, under such headings as Economic Geology, Metallurgy, etc.

Practically all topographical articles have been omitted from the section on Geography, since these are to be found in their places throughout the several volumes. They have been included only when the historical information contained therein has been considered an essential complement to the history of the country, people, or region in question.

Passing allusions to subjects which receive a fuller treatment elsewhere have been excluded. On the other hand, a cursory examination of the entries under kindred sciences may, and does, show a certain measure of duplication. For this no apology is offered; nor in our opinion is any apology needed in view of the great general aim of placing easily and quickly before the reader all topics essential to the proper understanding of a given science and in their proper relation to that science. Economy of effort for the reader, therefore, has been the guiding principle throughout even though it involved some duplication.

The recent World War brought about tremendous changes in every department of human activity, economic, political and social, and the end is not yet. It was thought well, therefore, for the benefit of students of political science and of present-day international problems to devote a special section to the great conflict, bringing together all the topics scattered throughout the work dealing with every phase of the catastrophe.

No complete and systematic subject index to a great general work of reference has been attempted hitherto on so large a scale as this Classified Index to The Americana. Precedents were lacking; all previous efforts in this direction being inchoate or fragmentary, furnishing mainly a syllabus for study or reading courses, without giving volume and page references to the topic in question.

The editors are confident that this Classified Index will prove a valued aid to users of the Encyclopedia Americana in enabling them to systematize this great practical repository of the world's knowledge, making its information on every branch most accessible and setting every subject in its proper relation.

The following pages contain an alphabetical key to the Index, showing under an extended classification where the entries to any science, or subdivision of science, may be found. For example, Birds, Fishes, Mammals, etc., are grouped under the major heading of Zoology. A reader desiring information on the first-named will find in the key under Birds a reference to the page of the Index on which the list of these vertebrates begins.

The key is followed by pages giving the general arrangement of major headings with their subdivisions in the order in which they appear in the Index.

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	11	60
	23	44
fermentation	11	128
Acetic ether	1	84
Acetin	1	84
Aceto-acetic acid	1	84
Acetone	1	84
Acetonitrile	1	85
Acetphenetidin	21	720
Acetyl	1	85
Acetylene	14	559
	17	472
Acid potassium tartrate	22	443
Aconitic acid	1	96
Acrolein	1	104
Adipate	1	138
Adipic acid	1	138
	11	61
Adipocere	1	138
After-damp	6	584
Agaricic acid	1	230
Agaric resin	1	231
Albumen	1	340

Organic — cont'd	Vol.	Page
Albumin	1	340
	27	594
Albuminates	22	679
Albuminoids	22	678
Albumins	22	678
Albumoses	22	679
Alcohol	1	345
	23	120
compound	7	447
Aldehyde	1	352
Aliphatic compounds	11	59
Alizarin	1	404
	9	453
Alkaloids	1	405
Alkene (olefine)	14	559
Alkine (acetylene)	14	559
Alkylene (olefine)	14	559
Alkyl	1	406
Allantoin	1	409
Alloxan	1	425
Allyl	1	429
Allylene (acetylene)	14	559
Alpha naphthol	19	693
Amide	1	573
Amido acids	1	573
Amidohexoic acid	17	326
Amine	1	574
Amines	7	447
Amino-acetic acid	12	732
Ammoniacum	1	579
Ammonium bicarbonate	25	223
Ammonium chloride	18	728
Ammonium iodide	18	728
Amphicreatine	17	326
Amphoteric	1	590
Amygdalin	1	596
	3	530
Amyl	1	597
acetate	1	597
alcohol	1	597
nitrate	1	597
Amylene hydrate	1	597
Amylocaine	25	701
Amylopsin	1	597
	21	242
Amylose	1	597
Anhydrous oxalic acid	21	69
Aniline	1	695
Aniline red	18	115
Animal chemistry	1	697
Animal starch	12	732
Anthracene	2	17
Anthracene oils	7	162
Anthracenes	7	162
Anthraquinone	2	19
Antipyrin	2	37
Arabin	2	129
Archil	2	168
Argol	22	443
Aristol	15	290
Aromatic compounds	2	320
vinegar	2	323
Attar of roses	2	520
	28	170
Azaleic acid	11	61
Azote	2	690
Benzaldehyde	3	530
Benzene	3	530
	14	559
Benzidine	3	531
Benzine	3	531
Benzoates	11	438
Benzoic acid	3	532
	11	438
aldehyde	3	530
Benzoin	3	532
gum	3	532
Benzol	7	163
Benzoyl	3	533
Benzyl	3	533
Berberine	3	536

Organic — cont'd	Vol.	Page
Bergamot, oil of	28	170
Betain	3	589
Betaine	3	589
Beta-naphthol	19	693
Bezoaric acid	10	251
Bitter almonds, oil of	28	170
Bog butter	1	138
Boreëne	4	280
Borneo camphene	4	280
camphor	4	279
Borneol	4	279
Boroglyceride	4	281
Boro-glycerine	4	281
Botany Bay gum	4	312
Brasilein	9	452
Brasilin	9	452
Bromoform	4	577
Brucine	4	626
Butane	5	76
	14	559
	21	277
Butter-fat	8	406
Butyric acid	5	93
	11	60
	25	672
fermentation	11	128
Cacodyle	5	130
Camphene	5	284
Camphine	5	284
Camphor	5	284
Camphoric acid	5	284
Capric acid	8	566
	11	60
Caproic acid	14	163
Caprylic acid	5	572
	20	575
Capsicin	5	572
Carbamide	27	591
Carbene	7	230
Carbohydrate	5	587
Carbolic acid	5	587
	11	61
	21	720
Carbolineum	5	588
Carbon compounds	5	590
Carbonic acid	11	61
Carmine	5	630
Carminic acid	5	630
Carotin	5	650
	22	18
Carthamin	9	453
Casein	5	698
Catalysis	6	43
Catalytic action	6	43
Catechin	9	452
Cellulose	6	175
	13	549
	21	257
Cetyl	6	233
Cevadine	28	11
Chemical process of living matter	22	45
Chinolin	23	96
Chloral	6	574
Chloralamide	6	575
Chloral formamide	6	575
hydrate	6	574
Chloralimide	6	575
Chloric acid	6	575
ether	6	575
Chlorodyne	6	577
Chloroform	6	577
Chlorogenin	9	453
Chlorophyll	6	578
	21	797
Choke damp	6	584
Cholesterin	6	586
Cholic acid	6	587
Choline	6	587
	20	101
Chrusocreatinine	17	326

Organic — cont'd	Vol.	Page
Chrysophanic acid	6	648
Cinnamic acid	6	686
Citric acid	1	92
	6	710
Cloves, oil of	7	133
	28	170
Coal-tar camphor	19	692
colors	11	445
products	7	162
Codeia	7	196
Codein	7	196
Codeina	7	196
Codeine	7	196
Colchicine	7	235
Collodion	7	271
Compound ammonias (amines)	7	447
Conquinnine	23	94
Coptine	7	668
Coumarin	8	95
Cream of tartar	2	222
	8	168
Creatine	8	169
	16	539
Creatinine	8	169
	16	540
Crenic acid	8	179
Creolin	8	179
Creosote	8	180
Cresol	8	181
Cresols	7	162
Crocin	8	217
Cumarin	8	95
Curcumin	9	453
Cyanamid	11	147
Cyanic acid	8	348
Cyanide	6	390
practice	8	348
Cyanogen	8	349
	15	282
Cyanuric acid	8	350
Cytase	11	126
Cytisine	8	375
Dahlin (Inulin)	8	395
Daphnin	8	470
Decoic acid	8	566
Desoxybenzoin	9	14
Dextrin	9	51
Dextrotartaric acid	26	276
Dextrose	9	52
Diabetic sugar	9	55
Diastase	9	73
	11	126
Diazo compounds	9	76
Dichloroethane	18	728
Diethyl sulphate	25	813
ether	10	533
Dihydroxysuccinic acid	26	276
Dimethyl, amino, benzoyl, ethyl, carbinal, hydrochloride	25	701
Dimethyl benzene	29	600
Dimethylamines	18	728
Diolefines (acetylene)	14	559
Dipalmitin	21	216
Dippel's oil	9	141
Distearin	11	58
Disulphocyanic acid	25	812
Dodecane	21	277
Dodecoic acid	17	111
Dyslysin	9	469
Elastin	10	54
Elaterin	10	54
Elaterium	10	54
Ellagic acid	10	251
Elemi	10	220
Emulsin	10	310
	11	126
Enneane	20	394
Ennyl	20	396
Ennyline	20	397

Organic — cont'd	Vol.	Page
Enzyme	10	406
Enzymes	11	126
	29	387
Erythric acid	10	487
Erythrite	10	488
Esters	10	521
Ethane	10	531
	14	559
	18	728
	21	277
Ether	10	533
Ethers	10	536
Ethyl	10	553
acetate	1	84
alcohol	1	346
	8	675
Ethylamine	10	553
Ethylene	10	554
	11	59
alcohol (glycol)	12	733
Ethyl ether	10	533
hydride	18	728
Ethyliodide	14	555
Ethyl iodide	18	728
sulphuric acid	25	813
Ethylic alcohol	18	728
Eucalyptus, oil of	28	170
Euphthalmine	10	577
Eupion	10	578
Eupione	10	578
Euxanthic acid	10	588
Expressed oils	10	665
Fats	11	58
Fatty acids	11	58
compounds	11	59
Ferment	11	126
Fermentation	11	126
	29	387
Firedamp	18	721
Fisetin	9	453
Formaldehyde	11	439
	19	107
	22	18
Formalin	11	490
Formic acid	11	60
	11	490
Free methyl	18	728
Fusel oil	12	202
Gallic acid	12	245
Gallotannic acid	26	248
Garlic, oil of	12	294
Gelatin	12	360
Gelatin sugar	12	732
Gelatine	12	360
Gelose	12	362
Globulins	12	719
	22	678
Glucoses	5	587
	12	726
Glucosides	12	728
Glutelins	22	678
Glycerides	12	731
Glycerin	12	731
Glycerol	12	731
Glycin	12	732
Glycocholic acid	12	732
Glycocin	12	732
Glycocoll	12	732
Glycogen	12	732
Glycol	12	733
Glycollic acid	11	61
	12	733
Glycoproteins	22	678
Glycyrrhizin	12	733
Glyoxaline	12	734
Glyoxalic acid	12	734
Glyoxylic acid	12	734
Guanidin	13	511
Gum tragacanth	26	765
Gum tragic	26	765
Hæmatein	9	453
Hæmatoxylin	17	612

Organic — cont'd	Vol.	Page
Harmaline	13	711
Harmine	13	711
Helenin	14	77
Hemoglobins	14	89
	22	678
Heptadecoic acid	18	280
Heptane	14	559
	21	277
Hexahydropyridine	22	112
Hexane	14	559
	21	277
Hexoic acid	5	572
	14	163
Hippuric acid	14	203
Histones	22	678
Hydriodic ether	14	555
Hydrocarbon	14	559
	17	483
	18	728
Hydroxybutyric acid	11	61
Hydroxyvaleric acid	11	61
Hyoscine	24	425
Indigo	3	37
	15	66
Indigotin	9	453
disulphonic acid	25	812
Indirubin	9	453
Inulase	11	126
Inulin	15	273
Inversion	15	286
Invertase	11	126
	15	287
Invertin	15	287
Iodoform	15	289
Iodoformin	15	290
Iodol	15	290
Isobutane	5	76
	14	559
Jelly, animal	16	11
Jelly, vegetable	16	11
Kreatine	8	169
	16	539
Lacmus	17	519
Lactic acid	11	61
	16	639
	25	623
	25	672
ferment	16	640
fermentation	11	128
Lactose	16	640
Lævotartaric acid	26	276
Lauric acid	11	60
	17	111
Lavender	17	118
Lavender, oil of	28	170
Lecithin	17	210
Lecithoproteins	22	678
Lemon, oil of	17	281
	28	170
Leucic acid	11	61
Leucin	17	326
Leucoline	23	96
Leucomaines	17	326
Leukol	23	96
Liquorice sugar	12	733
Lithates	27	589
Litmus	17	519
Luteolin	9	453
Maclurin	9	452
Madder	18	96
Magenta	18	115
Malic acid	18	165
Malonic acid	11	61
Mannite	18	231
Mannitol	18	231
Margaric acid	18	280
Marjoram oil	28	170
Marsh gas (Methane)	18	721
	18	728
Meconic acid	18	530
Melissic acid	11	60
Mercaptans	18	654
Mesotartaric acid	26	276

Organic — cont'd	Vol.	Page
Methane	14	559
	18	721
	21	277
	21	681
compounds	11	59
Menthol	18	652
Methyl alcohol	1	347
Methylamines	18	728
Methyl ammonium salts	18	728
Methyl and its derivatives	18	728
Methylated spirit	18	728
Methylene, bichloride of	18	729
Methylene malonic acid	25	625
Methylic alcohol	18	728
ether	18	728
Methyl salicylate	24	184
Michler's ketone	19	31
Milk fat	8	406
	19	104
Monamine	19	335
Mono-palmitin	21	216
Mono-potassium tartrate	22	443
Monostearin	11	58
Morin	9	452
Moth balls	19	692
Mucic acid	19	546
Mucilage	19	546
Munjistin	19	593
Murexide	19	605
Muscorine	19	613
Mustard, oil of	19	655
	20	629
Myricin	19	661
Myristic acid	19	661
Naphtha	19	691
solvent	19	691
Naphthalene	7	162
	19	692
Naphthalin	19	692
Naphthenes	21	681
Naphthol	19	692
Naphthyl	19	693
Narcotine	19	705
Natural alkaloids	1	405
	18	728
Neurine	20	101
Nonane	20	394
Nonic acid	21	481
Nonyl	20	396
Nonylene	20	397
Nucleoproteins	22	678
Octane	14	559
	21	277
Octoic acid	20	575
Œnanthol	20	594
Œnanthylic acid	20	594
Oils, essential	20	628
	28	170
volatile	28	170
Olefine	14	559
Olefins	21	681
Oleic acid	1	92
	20	659
Oleine	20	659
Onospin	20	693
Orcein	9	452
	20	738
Orchil	2	168
Orcin	20	752
Organo-metallic compounds	20	792
Origanum, oil of	28	170
Ortho-oxy-benzoic aldehyde	24	184
Ortho-toluidine	26	678
Otto of roses	2	520
	28	170
Oxalic acid	11	61
	21	69
fermentation	21	70
Oxidose	21	78

Organic — cont'd	Vol.	Page
Oxide of methyl	18	728
Oxy-acetic acid	12	733
Oxy-acids	21	79
Oxydimethyl-quinizen	2	37
Oxy-phenyl-di-methyl-pyrazole	2	37
Palmine	21	215
Palmitic acid	11	60
Palmitin	21	215
Para-acet-phenetidin	21	720
Paraffin	14	559
	21	277
Para-toluidines	26	678
Pectase	21	464
Pectic acids	21	465
Pectine	21	465
Pectose	21	464
Pelargonic acid	21	481
Pentane	14	559
	21	277
	21	681
Peppermint	21	566
Peppermint, oil of	28	170
Pepsin	11	126
	21	567
Peptids	22	679
Peptones	22	679
Petroleum	21	681
Phenacetin	21	720
Phenol	7	162
	21	720
Phenyl	21	721
benzyl-ketone	9	14
salicylate	24	195
Phosphoproteins	22	678
Phosphorus	10	192
Phytoserin	6	587
Picoline	22	69
Picric acid	22	70
Piperic acid	22	112
Piperidine	22	112
Piperine	22	112
Piperonal piperine	22	112
Prolamins	22	678
Propane	14	559
	21	277
Propionic acid	11	60
Protamines	22	678
Proteins	22	676
Proteoses	22	679
Prussic acid	14	561
Pseudocreatine	17	326
Pseudo-creatine	17	326
Pseudo-purpurin	9	453
Ptomaines	22	753
Purple	23	30
Purpurin	9	453
Purreic acid	10	588
Pyrene	23	41
Pyridine	23	43
Pyrogallic acid	23	43
Pyrogallol	23	43
Pyroligneous acid	23	44
Pyrotartaric acid	11	61
Quercetin	9	453
Quinidine	23	94
Quinina	23	94
Quinine	23	94
Quinoline	7	163
	23	96
Quinone	23	96
Racemic acid	25	626
	26	276
Resorcin	23	416
Resorcinol	23	416
Rhamnazin	9	453
Rhamnetin	9	453
Rosaniline	23	690
Saccharans	5	587
Saccharens	5	587
Saccharin	24	87

Organic — cont'd	Vol.	Page
Saccharins	5	587
Saccharons	5	587
Saccharoses	5	587
Salicin	24	183
Salicylic acid	11	439
	24	183
aldehyde	24	184
Salicylol	24	184
Salol	24	195
Santalin	9	452
Santonin	24	286
Sarcine	24	296
Sarcolactic acid	25	623
Sarcosine	24	297
Scopolamine	24	425
Sebacic acid	11	61
Shellac, solution of	13	755
Sincaline	20	101
Soap	25	154
Sodium salicylate	24	184
Solanine	25	234
Starch	25	492
Steapsin	21	242
Stearic acid	1	92
	11	60
	25	560
Stovaine	25	701
Succinic acid	11	61
	25	785
Sulphanilic acid	25	810
Sulphindigotic acid	25	812
Sulphenic acids	25	812
Sulphonal	25	812
Sulphonic acids	25	812
Sulphovinic acid	25	813
Sulphuric ether	10	533
Tannic acid	1	92
	26	248
Tannins	26	248
Tartar	2	222
	22	443
Tartaric acid	25	625
	26	276
Terpene	14	559
	26	444
Tetramethyldiaminobenzophenone	19	31
Theime	26	505
Theobromine	7	190
	26	508
Thio-alcohols	18	654
Thyme, oil of	26	604
	28	170
Thymol	26	604
Toluene	26	677
Toluidine	26	678
Toluol	7	163
Tragacanth	26	765
Tridecane	21	681
Tri-iodomethane (iodoform)	15	289
Trimethylamine	27	65
Trimethylamines	18	728
Trinitrophenol	22	70
Tri-oxy-benzene	23	143
Tri-palmitin	21	215
Triphenylmethyl	27	70
Tristearin	11	58
	25	560
Tropine	27	94
Trypsin	11	126
	21	242
Turpentine oil	27	206
	28	170
Urase	11	126
Urates	27	589
Urea	27	591
Uric acid	27	593
Urotropine	27	597
Valerianic acid	27	647
Valeric	27	647

Organic — cont'd	Vol.	Page
Vanadic acid	27	676
Vanillin	2	322
Veratrine	28	11
Verdigris	28	14
Vinegar	28	101
Viscous fermentation	28	133
Wine vinegar	28	101
Wood alcohol	1	347
	18	728
naphtha	18	728
vinegar	28	102
Wort	29	561
Xanthin	9	453
Xanthine	29	596
Xanthocreatinine	17	326
Xanthophyll	22	18
Xylene	29	600
Xylidine	29	600
Xyloidin	29	600
Xylol	7	163
Yeast	29	620
Zymase	11	126

Inorganic

Acids	1	93
Actinium	1	106
Alkali	1	405
Allophane	1	424
Alum	1	453
Alumina	1	454
	10	191
Aluminum nitride	17	487
Alunite	1	458
Amblygonite	1	472
Ammonia	1	578
	13	743
	17	486
anhydrous	17	475
Ammonium nitrite	17	485
Anhydrite	1	695
Aqua regia	2	104
	20	375
Arsenious acid	2	333
Auric acid	2	554
Azote (nitrogen)	2	690
	17	485
Barium hypophosphite	14	608
oxide	17	491
peroxide	17	491
Baryta	17	491
Boracic acid	4	262
	4	281
	19	107
Borax	4	263
	17	46
Boric acid	1	92
	4	262
	11	439
Boussingaultite	4	354
Bromamide	4	575
Bromic acid	4	576
Bromide	4	576
Bromine	4	576
Calcined magnesia	18	124
Calcium	5	159
	10	188
Calcium carbide	5	161
	5	586
	10	191
chloride	5	161
hypophosphite	14	608
Calomel	5	229
Carbide	5	586
of chromium	5	586
of iron	5	586
of magnesium	5	586
of silicon	5	586
Carbon compounds	5	590
dichloride	5	591
dioxide	5	591
	17	478

Inorganic — cont'd	Vol.	Page
disulphide	5	592
monoxide	5	592
oxychloride	5	591
oxysulphide	5	591
subnitride	5	591
suboxide	5	591
tetrachloride	5	590
	17	480
trichloride	5	590
Carbonate of lime	4	171
Carbonates	5	593
	19	107
of iron	13	277
Carbon bisulphide	10	192
Carbonic anhydride	5	591
acid	4	31
acid gas	5	591
oxide	5	592
Carborundum	5	586
	5	595
Chemical mineralogy	19	166
nitrogen	2	222
Chile saltpetre	6	510
	20	372
Chlorates	6	575
Chlorine	10	189
	17	208
Chlorosulphonic acid	25	813
Colcothar	7	236
Copperas	7	666
Corrosive sublimate	8	21
Cubic nitre	6	510
Cyanide of potassium	14	561
	22	441
Diamidogen	14	554
Dioxide	14	575
Epsom salt	10	439
Europium	10	583
	18	704
Ferricyanic acid	14	561
Fluosilicates	11	403
	12	245
Gallium chloride	12	249
salts	12	249
Gasoline	12	329
Glacial phosphoric acid	21	795
Glass, chemical properties of	12	693
Glauber's salt	12	712
Glaucine	12	712
Gold, bichloride of	3	680
Hartshorn, spirits of	13	742
Hayesine	14	20
Hydrate	14	539
Hydrazine	14	554
Hydride	14	554
Hydriodic acid	14	554
Hydrobromic acid	14	558
Hydrochloric acid	1	92
	14	560
	25	672
Hydrocyanic acid	14	561
Hydrofluoric acid	1	92
	11	403
Hydrogen bromide	14	558
chloride	14	560
dioxide	4	74
iodide	14	554
monoxide	14	575
peroxide	4	74
Hydrogenite	17	483
Hydrosulphuric acid	26	4
Hypo	25	223
Hypochlorous acid	14	607
Hypophosphorus acid	14	608
Kainite	16	278
Kalinite	16	284
Kinetic theory	19	313
Laughing gas	17	102
	18	487
	20	377

Inorganic — cont'd	Vol.	Page
Linoleic acid	17	462
Liquid air	17	484
helium	14	81
Magnesia	18	124
Magnesium	10	188
Magnesium carbonate	18	124
chloride	18	124
oxide	18	124
salts	18	125
sulphate	18	124
Maxwell's formula	19	314
Mercuric cyanide	14	561
Metaphosphoric acid	21	795
Molecular theory	19	312
Monoxide	19	370
Mordant	19	443
Mordenite	19	443
Muriatic acid	1	92
	14	560
Murium	14	560
Mustard gas	19	655
Nascent state	19	711
Neutralization	20	104
Niter	20	372
Nitrate of silver	20	371
Nitrate of soda	17	45
	20	372
Nitrates	20	372
Nitric acid	1	91
	20	372
Nitrides	20	374
Nitrile	20	375
Nitrites	20	375
Nitro-benzol	20	375
Nitro-cellulose	20	375
Nitro-compounds	20	375
Nitro-hydrochloric acid	20	375
Nitro-muriatic acid	20	375
Nitrogen atmospheric	2	222
dioxide	17	486
fixation	10	192
monoxide	20	377
Nitrous acid	20	377
ether	20	377
oxide	17	486
	20	377
manufacture of	17	488
Nonyl	20	396
Occlusion	20	555
Orthophosphoric acid	21	794
Oxide	21	78
Perchlorates	21	571
Perchloric acid	21	571
Perozides	21	603
Phosgene	21	793
Phosphine	21	796
Phosphoric acid	1	92
	11	145
	21	794
	22	190
Phosphorus	21	796
pentoxide	21	795
Phosphorous acid	21	795
Photochemistry	21	797
Potash	6	390
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